

## ABSTRACT OF THE DISCLOSURE

A projection array is provided that comprises a plurality of discrete projection elements. An image array is obtained of a scene with the light projected onto it that is coded using the projection array. Correspondence information is determined for each element in the  
5 image array, where the correspondence information can be used to determine which of the plurality of elements in the projection array corresponds to a particular image element. The determination of correspondence information for each element in the image array can be made independently of correspondence information for other elements in the image array.